**Purdue Northwest Curriculum Document Coversheet**

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| **Document No:**  (According to [Instruction](http://faculty.pnw.edu/blog/curriculum-document-approval-procedures/)s[[1]](#footnote-1)) | COT 18-08 NEW COURSE ITS 47800 | **Approval by Faculty Senate:**  (Leave Blank) | 12/14/18 |
| **Proposed Effective Date** | Spring 2019 | **Date Reviewed by Senate Curriculum**  **Committee:**  (Leave blank) | 11/9/18 |
| **Submitting Department:**  (Name of both Dept & College/School ) | CITG | **Name(s) of Library Staff Consulted:**  (NA if not required) | NA |
| **Date Reviewed by Department** | 03/30/2018 |  |  |
| **Submission Date:**  (Date sent to College/School Curr Comm after Dept Review) | 10/04/2018 | **Will New Library**  **Resources Used?** | **Yes** **No**  Double-click to check Yes / No. |
| **Date Reviewed by College/School Curriculum Committee** | 10/26/2018 | **Form 40 Needed?**  (Double-click one box.)  Registrar will complete Form 40 **after** Senate approval of document. | **Yes** New courses or any course change, check **YES**  **No** For **all other** curriculum matters, check **NO**. |
| **Contact Person(s):**  (Name & Title) | Michael Tu, Associate Professor of CIT |  |  |

Unless marked “Leave blank” all parts of this form must be filled in **before** sending to Secretary of the Faculty Senate.

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| **Task (check all that apply and fill out sections appropriate for each change).**  Program/Concentration Change or New Program/Concentration Proposal: Complete Section I, III, & IV  Minor Change or New Minor Proposal: Complete Section I (delete sections III & IV)  Certificate Change or New Certificate Proposal: Complete Section I (delete sections III & IV)  Course Change or New Course Proposal: Complete Section II (delete sections III & IV) |
| **Program name**.  Computer Information Technology |
| **Degree name(s).** (If applicable.)  B.S. Computer Information Technology |

## Section II: This section is for changes in courses only

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| **Subject.** (Brief description of proposed change, addition or deletion.)  ITS 47800, Advanced Topics in Cyber Security Practices – New Course |
| **Justification.** (Briefly list main reasons for proposed change, addition or deletion.) 1. As a required course for the new proposed cybersecurity concentration.  2. As a restrictive elective course for the existing Computer Information Technology Undergraduate Program. |

Use the **Current** and **Proposed** spaces below for course changes only. Otherwise, mark “N/A”

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| **Current:** (Course changes: include entire present catalog information. Leave blank if new course) | | **Proposed:** (Course changes: include entire new catalog information.)  ITS 47800 – Advanced Topics in Cyber Security Practices.  This course is an advanced course on cybersecurity for the undergraduate Computer Information Technology Program. This course covers information security governance and risk management, NIST risk management framework RMF, NIST business continuity standard, ethical hacking and penetration testing process, web-based hacking, wireless and network hacking, malware analysis.  Pre-requisite: ITS35000 – System Assurance  Typically offered Fall Spring.  3.000 Credit hours  Course Pattern: 2-2-3  Level: Undergraduate  Schedule Types: Lecture  Course Attributes: Upper Division  Fees(s): None  Grading: Regular (G) |
| **Is this course also:** | **General Education** | **Currently Designated ExL (see** [**instructions[[2]](#footnote-2)**](http://faculty.pnw.edu/blog/curriculum-document-approval-procedures/)**)** |

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| **Course Objectives / Learning Outcomes.** (New courses only. List main outcomes. If lengthy, attach separate page. The student, by the end of the semester should be able to:   1. Analyze vulnerabilities and threats for different components of cyber infrastructure 2. Evaluate the relationship between threats, vulnerabilities, countermeasures, attacks, compromises and remediation. 3. Analyze operation security issues and countermeasures. 4. Create security management, policy, business continuity. 5. Apply appropriate mechanisms to categorize threats, vulnerabilities and attacks. 6. Evaluate disaster recovery scenarios |
| **Impact on Students.** (State “N/A” if proposal will not greatly affect students.) NA |
| **Impact on University Resources.** (State “N/A” if proposal will not require new resources, faculty or funds.) NA |
| **Impact on other Academic Units.** (State “N/A” if proposal will not affect other units.) (Include name of person in affected area this was discussed with.) NA |

1. <http://faculty.pnw.edu/blog/curriculum-document-approval-procedures/> [↑](#footnote-ref-1)
2. <http://faculty.pnw.edu/blog/curriculum-document-approval-procedures/> [↑](#footnote-ref-2)